

## 03050109-180

(Clouds Creek)

### General Description

Watershed 03050109-180 is located in Saluda and Lexington Counties and consists primarily of *Clouds Creek* and its tributaries. The watershed occupies 62,543 acres of the Piedmont and Upper Coastal Plain regions of South Carolina. The predominant soil types consist of an association of the Appling-Herndon-Tatum-Lakeland-Helena series. The erodibility of the soil (K) averages 0.24; the slope of the terrain averages 7%, with a range of 2-25%. Land use/land cover in the watershed includes: 3.00% urban land, 23.67% agricultural land, 2.52% scrub/shrub land, 0.16% barren land, 70.18% forested land, 0.03% forested wetland (swamp), and 0.44% water.

The Clouds Creek watershed originates near the Town of Ridge Spring, and encompasses a total of 124.7 stream miles, all classified FW, before entering the Little Saluda River. Clouds Creek is joined by Peters Creek and Indian Creek before flowing through Asbill Pond. Downstream of the pond, Clouds Creek accepts the drainage of Jacobs Branch, Moores Creek (Dye Creek), Harris Branch, Warren Branch, Mack Branch, Flat Rock Branch, and Long Branch. West Creek originates near the Town of Batesburg, and accepts the drainage of Bates Branch, Gin Branch, and Lick Creek before entering Clouds Creek at the base of the watershed. Clapboard Branch and Beaverdam Creek enter Clouds Creek just as it drains into the Little Saluda River. There are several small ponds in the watershed that are used for recreation and/or irrigation.

### Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
S-111	BIO	FW	CLOUDS CREEK AT US 178
S-112	BIO	FW	MOORES CREEK AT U.S. ROUTE 178
S-255	S	FW	CLOUDS CREEK AT S-41-26, 4 MI NW OF BATESBURG
S-113	W	FW	CLOUDS CREEK AT S-41-25

*Clouds Creek* - There are three monitoring sites along Clouds Creek, which was Class B until April, 1992. Aquatic life uses are fully supported at the upstream site (S-111) based on macroinvertebrate community data. At the midstream site (S-255), aquatic life and recreational uses are fully supported, but there is a significant decreasing trend in pH. A significant increasing trend in dissolved oxygen concentration and a significant decreasing trend in five-day biochemical oxygen demand suggest improving conditions for these parameters. At the downstream site (S-113), aquatic life and recreational uses are fully supported.

*Moores Creek (S-112)* - Aquatic life uses are partially supported based on macroinvertebrate community data.

### Permitted Activities

### ***Point Source Contributions***

**RECEIVING STREAM**  
**FACILITY NAME**  
**PERMITTED FLOW @ PIPE (MGD)**  
**COMMENT**

**NPDES#**  
**TYPE**  
**LIMITATION**

HARRIS BRANCH  
AMICKS POULTRY FARMS  
PIPE #: 001 FLOW: 1.5  
WQL FOR NH3-N, DO, TRC, BOD5

SC0025585  
MINOR INDUSTRIAL  
WATER QUALITY

GIN BRANCH  
COLUMBIA FARMS, INC.  
PIPE #: 001 FLOW: M/R

SCG250064  
MINOR INDUSTRIAL  
EFFLUENT

**LAND APPLICATION**  
**FACILITY NAME**

**PERMIT#**  
**TYPE**

SPRAYFIELD  
VALLEY PROTEINS

ND0076945  
INDUSTRIAL

### **Growth Potential**

There is a low potential for growth in this watershed, which contains the Towns of Batesburg-Leesville and Monetta. The majority of the area still does not have water or sewer available.